

In the claims:

Please amend the claims as follows:

1. (Currently Amended) A device ~~Device for molding moulding of objects (5)~~
~~in of plastic material, the device comprising:~~

an injection mold including mould ~~comprising two half-molds moulds (1,~~
2), ~~suitable to define, in defining in a closed position, a plurality of injection~~
5 ~~cavities corresponding to of said objects (5), wherein said half-molds undergo a~~
~~translating reciprocal~~ moulds (1, 2) have a translation-motion toward and away
~~from each other of reciprocal distancing and nearing, defining a closed position~~
and an open position, respectively; an extraction arm (3) for removing objects from
the ~~mould- mold of said objects, that is~~ provided with reversible gripping elements
10 ~~for said objects, provided with translation movement and that is translatable~~
between a first ~~insertion-position~~ inserted into ~~[[in]]~~ the space between said half-
~~molds moulds (1, 2)-when the latter-molds are in their~~ an open position, and a
second position outside the half-molds; moulds, a conditioning turret (6), ~~provided~~
~~with~~having two sides in opposing relation, (6', 6'') ~~situated in a position opposite to~~
15 ~~each other, each side including consisting of a group of conditioning cups with~~
means (7) for receiving and retaining the molded objects (5), provided with means
~~to hold these objects (5), the turret being supported by means which permit it to~~
~~effect a first for~~ rotational movement around an axis ~~(X)-essentially horizontal~~ axis
followed by and a second-vertical displacement from translation movement
20 ~~between a first higher point-position under the extraction arm and a second lower~~
~~position; characterised in that the device contains including an extraction table, the~~

extraction table having gripping elements for engaging and extracting the objects from the conditioning turret cups, for the objects (5) which possesses grasping elements able to extract the objects from the cups (7) of the turret (6) and which is situated- the extraction table being positioned beneath said second lower position of the conditioning turret-(6).

2. (Currently Amended) ~~Device as claimed in~~ The device of claim 1, wherein a- the reciprocal translation motion of reciprocal distancing and nearing of the half- molds moulds is along a vertical axis.

3. (Currently Amended) ~~Device as claimed in~~ The device of claim 2, wherein the reversible grasping-gripping elements of the extraction arm (3) constitute a guillotine-like device.

4. (Currently Amended) ~~Device as claimed in~~ The device of claim 3, wherein the translation- translational movement of the extraction arm (3) is horizontal.

5. (Currently Amended) ~~Device as claimed in~~ The device of claim 4, wherein the grasping-gripping elements of the extraction table (23) are formed by slots in situated-on- the surface of the table having (23)-equipped with teeth configured able to grip the molded objects (5)-resting in the cups.

6. (Currently Amended) ~~Moulding A process for molding of objects (5) in- of plastic material using the device of according to claim 1, the process comprising consisting of the following stages steps:~~

a)-a. injecting molten plastic molten material into a mould consisting of nold formed by two half-molds moulds(1, 2), suitable to that define, in their closed position, a plurality group of injection cavities,

b)-b. solidifying molded objects in the ~~mould-mold~~ to a predetermined degree of hardness ~~grade of hardening that defines marking~~ an injection cycle,

e)-c. opening the half-~~molds-moulds~~,

d)-d. inserting ~~an~~ the extraction arm (3) in the space between said half-~~molds-moulds~~,

e)-e. extracting objects from the ~~mould-molds~~ using ~~an~~ the extraction arm-~~(3)~~,

f)-f. transporting the objects to a position outside the half-molds ~~moulds~~,

g)-g. ~~releasing~~ transferring the objects ~~in to the~~ cups (7) of a ~~the~~ cooling turret-~~(6)~~, provided with a plurality of conditioning cups (7) for receiving the objects (5) ~~distributed that are located~~ on two sides positioned opposite each other,

h)-h. cooling the objects ~~until reaching to~~ a predetermined temperature,

i)-i. rotating the turret (6) around an axis-essentially horizontal axis and vertically ~~translating it towards~~ displacing the turret to a lower position, and

l)-j. extracting the objects (5) from the cups using the (7) ~~by means~~ of gripping elements arranged on ~~an~~ the extraction table.

7. (Currently Amended) The process of ~~Process as claimed in claim 6,~~ wherein the opening of the half-molds ~~moulds~~ is effected using a motion of relative reciprocal distancing.

8. (Currently Amended) The process of ~~Process as claimed in claim 7,~~
wherein ~~there is foreseen on the turret (6)~~ a number of turret conditioning cups
~~which is a multiple of the group~~ number of injection cavities and wherein the
duration of the cooling stage h) step (h) is a multiple of the duration of the injection
molding eyes cycle.

9. (Currently Amended) The process of ~~Process as claimed in claim 8,~~
wherein extracting the objects (5) from the cups is performed by means of frictional
contact with the slots in gripping through slot width constrictions machined on the
extraction table adapted to engage and suitable to insert themselves in
predetermined zones portions of the molded objects.

10. (Currently Amended) The process of ~~Process as claimed in claim 9,~~
wherein the ~~slot width constrictions~~ slots have teeth-like ~~shape~~ surface projections.

11. (Currently Amended) The process of ~~Process as claimed in claim 10,~~
wherein the objects are preforms and the teeth-like ~~constrictions~~ surface projections
are inserted between a ring (9) situated close to the neck of the preform (5) and the
end of the respective cup (7) in which the preform is retained ~~inserted.~~